

WHAT IS CLAIMED IS:

1. A method for mixing a first, digital signal with a second signal, comprising the steps of:
  - (a) converting the digital signal by means of a digital to analogue converter with current output into an analogue current signal;
  - (b) supplying the analogue current signal to a current input of a mixer;
  - (c) supplying the second signal to the mixer; and
  - (d) mixing the analogue current signal and the second signal by means of the mixer.
2. A method according to Claim 1, wherein the current signal before being supplied to the current input of the mixer is filtered by means of a filter operating within the current domain.
3. A method according to Claim 2, wherein the current signal is low-pass-filtered.
4. A method according to Claim 1, wherein the second signal is a carrier signal for wireless transmission of the digital signal.
5. A method according to Claim 1, wherein the digital signal has digitally coded speech signals.
6. A method according to Claim 1, wherein the method is used in mobile telecommunications.
7. A circuit configuration for mixing a digital signal with a second signal, the circuit configuration comprising a digital to analogue converter with a current output and a mixer with a current input, wherein the digital to analogue converter and the mixer are interconnected with one another in such a manner that the current output of the digital to analogue converter is connected to the current input of the mixer by means of a current signal.

8. A circuit configuration according to Claim 7, wherein the current output of the digital to analogue converter is terminated with a diode.

9. A circuit configuration according to Claim 8, wherein the diode is a component part of the mixer.

10. A circuit configuration according to Claim 7, further comprising a filter operating within the current domain, inserted between the digital to analogue converter and the mixer.

11. A circuit configuration according to Claim 7, wherein the digital to analogue converter converts the digital signal into an analogue current signal and supplies the analogue current signal to a current input of the mixer, and the mixer mixes the analogue current signal and the second signal.